

Type	Grade	Mass Tone	Reduction Tone	Color Index	Specified Color Data										Specified Technical Data			Informative Data			
					Full Shade					Reduction					Water soluble content [%]	Sieve residue [%]	pH value	Oil absorption [g/100g]	Predominant particle size [µm]		
					dL*	da*	db*	dC*	dH*	dEab*	Color values after matching of the tinting strength parameter Y, i.e.dL*=0			Rel. tinting strength[%]						DIN EN ISO 787-3:2000 and DIN EN ISO	DIN EN ISO 787-7:2009
<b>National Standard</b>																					
<b>Red Iron Oxides</b>	101			PR 101	+/-0.5	+/-0.8	+/-0.8	+/-0.8	+/-0.8	≤1.0	+/-0.8	+/-0.8	+/-0.8	+/-0.8	≤1.0	100+/-5	≤0.5	≤0.05	3-7	15~25	0.1
	110			PR 101	+/-0.5	+/-0.8	+/-0.8	+/-0.8	+/-0.8	≤1.0	+/-0.8	+/-0.8	+/-0.8	+/-0.8	≤1.0	100+/-5	≤0.5	≤0.05	3-7	15~25	0.1
	120			PR 101	+/-0.5	+/-0.8	+/-0.8	+/-0.8	+/-0.8	≤1.0	+/-0.8	+/-0.8	+/-0.8	+/-0.8	≤1.0	100+/-5	≤0.5	≤0.05	3-7	15~25	0.1
	130			PR 101	+/-0.5	+/-0.8	+/-0.8	+/-0.8	+/-0.8	≤1.0	+/-0.8	+/-0.8	+/-0.8	+/-0.8	≤1.0	100+/-5	≤0.5	≤0.05	3-7	15~25	0.1
	140			PR 101	+/-0.5	+/-0.8	+/-0.8	+/-0.8	+/-0.8	≤1.0	+/-0.8	+/-0.8	+/-0.8	+/-0.8	≤1.0	100+/-5	≤0.5	≤0.05	3-7	15~25	0.1
	160			PR 101	+/-0.5	+/-0.8	+/-0.8	+/-0.8	+/-0.8	≤1.0	+/-0.8	+/-0.8	+/-0.8	+/-0.8	≤1.0	100+/-5	≤0.5	≤0.05	3-7	15~25	0.1
	180			PR 101	+/-0.5	+/-0.8	+/-0.8	+/-0.8	+/-0.8	≤1.0	+/-0.8	+/-0.8	+/-0.8	+/-0.8	≤1.0	100+/-5	≤0.5	≤0.05	3-7	15~25	0.1
	190			PR 101	+/-0.5	+/-0.8	+/-0.8	+/-0.8	+/-0.8	≤1.0	+/-0.8	+/-0.8	+/-0.8	+/-0.8	≤1.0	100+/-5	≤0.5	≤0.05	3-7	15~25	0.1
<b>National Standard</b>																					
<b>Yellow Iron Oxides</b>	311			PY 42	+/-0.4	+/-0.8	+/-0.9	+/-0.8	+/-0.8	≤1.0	+/-0.5	+/-0.6	+/-0.6	+/-0.6	≤0.8	100+/-3	≤0.5	≤0.002	4.5-7.5	28~40	0.1x0.4
	313			PY 42	+/-0.4	+/-0.8	+/-0.9	+/-0.8	+/-0.8	≤1.0	+/-0.5	+/-0.6	+/-0.6	+/-0.6	≤0.8	100+/-3	≤0.5	≤0.002	4.5-7.5	28~40	0.1x0.4
<b>National Standard</b>																					
<b>Black Iron Oxides</b>	330			PBk 11							+/-0.7	+/-0.9			≤1.0	100 -5/+10	≤0.5	≤0.1	4-8	15~25	0.5
	700			PBk 11							+/-0.7	+/-0.9			≤1.0	100 -5/+10	≤0.8	≤0.1	4-8	15~25	0.3
	722			PBk 11							+/-0.7	+/-0.9			≤1.0	100 -5/+10	≤0.7	≤0.1	4-8	15~25	0.2
	359			PBk 11							+/-0.7	+/-0.9			≤1.0	100 +/-5	≤0.5	≤0.1	4-8	15~25	0.2
<b>National Standard</b>																					
<b>Brown Iron Oxides</b>	868			Mixture	+/-0.5	+/-1.2	+/-1.3	+/-1.2	+/-1.2	≤1.5	+/-1.2	+/-1.3	+/-1.2	+/-1.2	≤1.5	100/-5/+10	≤0.8	≤0.4	4-7	20~35	0.3
	610			Mixture	+/-0.5	+/-1.2	+/-1.3	+/-1.2	+/-1.2	≤1.5	+/-1.2	+/-1.3	+/-1.2	+/-1.2	≤1.5	100/-5/+10	≤0.8	≤0.4	4-7	20~35	0.3
<b>National Standard</b>																					
<b>Orange Iron Oxides</b>	960			Mixture	+/-0.5	+/-1.2	+/-1.3	+/-1.2	+/-1.2	≤1.5	+/-1.2	+/-1.3	+/-1.2	+/-1.2	≤1.5	100/-5/+10	≤0.6	≤0.4	4-7	20~35	0.3
<b>National Standard</b>																					
<b>Green Iron Oxides</b>	5605			Mixture	+/-0.5	+/-1.2	+/-1.3	+/-1.2	+/-1.2	≤1.5	+/-1.2	+/-1.3	+/-1.2	+/-1.2	≤1.5	100/-5/+10	≤0.5	≤0.3	4-7	15~25	0.3
	835			Mixture	+/-0.5	+/-1.2	+/-1.3	+/-1.2	+/-1.2	≤1.5	+/-1.2	+/-1.3	+/-1.2	+/-1.2	≤1.5	100/-5/+10	≤0.5	≤0.3	4-7	15~25	0.3
<b>National Standard</b>																					
<b>Blue Iron Oxides</b>	8707			Mixture	+/-0.5	+/-1.2	+/-1.3	+/-1.2	+/-1.2	≤1.5	+/-1.2	+/-1.3	+/-1.2	+/-1.2	≤1.5	100/-5/+10	≤0.5	≤0.3	4-7	15~25	0.3
<b>Colorful Series</b>																					
<b>Red Iron Oxides</b>	110 CS80														100 +/-5	≤1.0	≤0.5	4-7	15~25		
	130 CS80														100 +/-5	≤1.0	≤0.5	4-7	15~25		
	190 CS80														100 +/-5	≤1.0	≤0.5	4-7	15~25		
	110 CS90														100 +/-5	≤0.5	≤0.3	4-7	15~25		
	130 CS90														100 +/-5	≤0.5	≤0.3	4-7	15~25		
	190 CS90														100 +/-5	≤0.5	≤0.3	4-7	15~25		
<b>Colorful Series</b>																					
<b>Yellow Iron Oxides</b>	313 CS70														100 +/-5	≤1.0	≤0.5	4-7	28~40		
<b>Colorful Series</b>																					
<b>Black Iron Oxides</b>	330 CS90																				
	330 CS80														100 +/-5	≤1.0	≤0.5	5-8	15~25		
<b>Colorful Series</b>																					
<b>Brown Iron Oxides</b>	868 CS80														100 +/-5	≤1.0	≤0.5	5-8	~25		
<b>Colorful Series</b>																					
<b>Orange Iron Oxides</b>	960 CS80														100 +/-5	≤1.0	≤0.5	4-7	~28		

